



#16

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/686,234C

Source:

7600 KUSH

Date Processed by STIC:

12/31/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CFE SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



RAW SEQUENCE LISTING

DATE: 12/31/2002

PATENT APPLICATION: US/09/686,234C

TIME: 15:29:08

Input Set : A:\BRADSEQ4.txt

Output Set: N:\CRF4\12312002\I686234C.raw

SEQUENCE LISTING

2 (1) GENERAL INFORMATION:

4 (i) APPLICANT: SOMMERVILLE, CHRIS
5 SCHIEBLE, WOLF

6 (ii) TITLE OF INVENTION: MODIFIED CELLULOSE SYNTHASE GENE FROM
7 ARABIDOPSIS THALIANA CONFERS HERBICIDE RESISTANCE TO what?

PLANTS

E--> 9 (iii) NUMBER OF SEQUENCES: 23 Shown in submitted file

11 (iv) CORRESPONDENCE ADDRESS:

12 (A) ADDRESSEE: PAUL A. GOTTLIEB, AGCTT
13 DEPARTMENT OF ENERGY

14 GC-62 (FORSTL) MS-6F-067

15 (B) STREET: 1000 INDEPENDENCE AVE. S.W.

16 (C) CITY: WASHINGTON D.C.

C--> 17 change to (F) ZIP: 20585

19 (v) COMPUTER READABLE FORM:

20 (A) MEDIUM TYPE: FLOPPY DISK

21 (B) COMPUTER: IBM PC COMPATIBLE

22 (C) OPERATING SYSTEM: MS-DOS

23 (D) SOFTWARE: WORDPERFECT 10

25 (vi) CURRENT APPLICATION DATA:

C--> 26 (A) APPLICATION NUMBER: US/09/686,234C

C--> 27 (B) FILING DATE: 11-Oct-2000

30 (viii) ATTORNEY/AGENT INFORMATION:

31 (A) NAME: SMITH, BRADLEY

32 (B) REGISTRATION NUMBER: 334436

33 (C) REFERENCE/DOCKET NUMBER: S-93994

C--> 35 (ix) TELECOMMUNICATION INFORMATION: add a colon after all headings

36 (A) TELEPHONE: 630-252-2160

37 (B) TELEFAX: 630-252-2779

ERRORED SEQUENCES

E--> 42 (2) INFORMATION FOR SEQ ID NO: 3:

44 (i) SEQUENCE CHARACTERISTICS:

45 (A) LENGTH: 19 NUCLEOTIDES

46 (B) TYPE: NUCLEIC ACID

W--> 48 (D) TOPOLOGY: LINEAR

C--> 51 (ii) MOLECULE TYPE: cDNA

C--> 47 (A) ORGANISM: ARTIFICIAL SEQUENCE

56 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

C--> 58 CGAAGTTGAG ACCTCTTGA

this is
for format
purposes.

Does Not Comply =
Corrected Diskette Needed

Per sequence
rules, maximum
line length
is 72 characters

(see p.3)

Submitted file begins with
Sequence 3. Per 1.821 of sequence
rules, "Each sequence set forth
in the 'Sequence Listing' shall be
assigned a separate identifier
written as

0019

SEQ ID NO:1;
SEQ ID NO:2; ..."

Per 1.825 of sequence rules
"Any amendment to the paper copy
must be accompanied by... computer
readable form... including all previously submitted data"

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/686,234C

DATE: 12/31/2002
TIME: 15:29:09

Input Set : A:\BRADSEQ4.txt
Output Set: N:\CRF4\12312002\I686234C.raw

Skipped Sequences(OLD RULES):

Sequence(s) __missing. If intentional, please use the following format for each skipped sequence:

(2) INFORMATION FOR SEQ ID NO:X:

(i) SEQUENCE CHARACTERISTICS:

(Do not insert any heading under "SEQUENCE CHARACTERISTICS")

(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:

This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES." response to include the skipped sequence(s).

Seq#:1,2

09/686,234C 3

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 19 NUCLEOTIDES

(B) TYPE: NUCLEIC ACID

(C) ORGANISM: ARTIFICIAL SEQUENCE

(D) TOPOLOGY: LINEAR

Do NOT "mix" "old" Sequence Rules
format with "new" Sequence Rules
format

↓
invalid heading

→ (C) STRANDEDNESS;

MOLECULE

(ii) MOLECULAR TYPE: cDNA

delete

(iii) OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE PRIMER

↑
insert
this
mandatory
heading
and
response

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

cgaacttgag acctcttga

0019

delete
these

just
show

the
number itself

not placeholders

for all
nucleotide
sequences

The above is an example
of global format error

FYI: all U.S. applications
filed on or after July 1, 1998,
and which cannot
claim a prior application
filed before July 1, 1998,

MUST be in new Sequence Rules format entirely.

The submitted file is a combined old and new Sequence
Rules
format.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/686,234C

DATE: 12/31/2002

TIME: 15:29:09

Input Set : A:\BRADSEQ4.txt

Output Set: N:\CRF4\12312002\I686234C.raw

L:17 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
 L:26 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
 L:27 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
 L:35 M:220 C: Keyword misspelled or invalid format, [(ix) TELECOMMUNICATION INFORMATION:]
 L:0 M:200 E: Mandatory Header Field missing, [(D) STATE:] of (1)(iv)
 L:0 M:200 E: Mandatory Header Field missing, [(E) COUNTRY:] of (1)(iv)
 L:42 M:216 E: (34) Seq.#s missing, 1 thru 2
 L:47 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:48 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:51 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:52 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:58 M:111 C: (47) String data converted to upper case,
 L:67 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:68 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:71 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:72 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:78 M:111 C: (47) String data converted to upper case,
 L:86 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:87 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:90 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:91 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:97 M:111 C: (47) String data converted to upper case,
 L:105 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:106 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:109 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:110 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:116 M:111 C: (47) String data converted to upper case,
 L:123 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:124 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:127 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:128 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:134 M:111 C: (47) String data converted to upper case,
 L:142 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:143 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:146 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:147 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:153 M:111 C: (47) String data converted to upper case,
 L:161 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:162 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:165 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:166 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:172 M:111 C: (47) String data converted to upper case,
 L:179 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:180 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:183 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:184 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:190 M:111 C: (47) String data converted to upper case,
 L:197 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/686,234C

DATE: 12/31/2002

TIME: 15:29:09

Input Set : A:\BRADSEQ4.txt

Output Set: N:\CRF4\12312002\I686234C.raw

L:198 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:201 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:202 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:208 M:111 C: (47) String data converted to upper case,
 L:215 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:216 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:219 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:220 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:226 M:111 C: (47) String data converted to upper case,
 L:233 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:234 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:237 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:238 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:244 M:111 C: (47) String data converted to upper case,
 L:251 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:252 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:255 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:256 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:262 M:111 C: (47) String data converted to upper case,
 L:269 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:270 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:273 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:274 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:280 M:111 C: (47) String data converted to upper case,
 L:287 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:288 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:291 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:292 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:298 M:111 C: (47) String data converted to upper case,
 L:305 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:306 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:309 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:310 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:316 M:111 C: (47) String data converted to upper case,
 L:323 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:324 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:327 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:328 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:334 M:111 C: (47) String data converted to upper case,
 L:341 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:342 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:345 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:346 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:352 M:111 C: (47) String data converted to upper case,
 L:359 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
 L:360 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
 L:363 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
 L:364 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
 L:370 M:111 C: (47) String data converted to upper case,

VERIFICATION SUMMARYPATENT APPLICATION: **US/09/686,234C**

DATE: 12/31/2002

TIME: 15:29:09

Input Set : **A:\BRADSEQ4.txt**Output Set: **N:\CRF4\12312002\I686234C.raw**

L:377 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
L:378 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
L:381 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:382 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:388 M:111 C: (47) String data converted to upper case,
L:395 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
L:396 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
L:399 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:400 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:406 M:111 C: (47) String data converted to upper case,
L:413 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
L:414 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
L:417 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:418 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:424 M:111 C: (47) String data converted to upper case,
L:431 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
L:432 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
L:435 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:436 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:442 M:111 C: (47) String data converted to upper case,
L:449 M:220 C: Keyword misspelled or invalid format, [(A) ORGANISM:]
L:450 M:238 W: Alpha Fields not Ordered, Reordered [(D) TOPOLOGY:] of (2)(i)
L:453 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]
L:454 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]
L:460 M:111 C: (47) String data converted to upper case,
L:9 M:203 E: No. of Seq. differs, : Input 2, Counted 23